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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/764,682

01/23/2004

Brant L. Candelore

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04/17/2008

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EXAMINER

BAYOU, YONAS A

ART UNIT

PAPER NUMBER

2134

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/764,682	Applicant(s) CANDELORE, BRANT L.	
	Examiner YONAS BAYOU	Art Unit 2134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 5-10, 12, 13, 15-21 and 24-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-10, 12-13, 15-21 and 24-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>04/23/2007</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is in response to applicant's response filed on 01/17/2008.
2. Claims 1-3, 5-10, 12-13, 15-21 and 24-27 are pending.
3. Claims 1, 5, 21 and 24-27 are amended.
4. Claims 4, 11, 14, 22-23 and 28-38 are cancelled.
5. Applicant's arguments have been fully considered but they are not persuasive.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/17/2008 has been entered.

Response to Arguments

1. Applicant, on page 8, line 24, of the remarks, applicant has mentioned:

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“Claims 1-26 were rejected under 35 U.S.C. 102(b)...”.

Should be corrected as --...35 U.S.C.102(e)....--.

Appropriate correction is required.

2. Applicant's arguments with respect to claims 1-3, 5-10, 12-13, 15-21 and 24-27 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 5-10, 12-13, 15-21 and 24-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Wasilewski US Patent No. 6,157,719 (hereinafter Wasilewski) .

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Referring to claims 1, 3, 12 and 13, Wasilewski teaches a mating key gateway adapted to retrieve at least one mating key used to encrypt a program key that is used to scramble digital content prior to transmission to a digital device, comprising:

a bus [**column 14, lines 14-16** a bus is inherently a communication scheme (wires, fiber optics, fiber coax)];

a processor coupled to the bus [**column 21, lines 15-19 and fig. 12**];

an interface coupled to the bus, the interface being adapted to receive information from (1) a sender of the digital content [**abstract**; programs are broadcast corresponding to send digital content] and (2) either a server controlled by a supplier of the digital device or a trusted third party, the information received by the interface from the sender comprises a mating key generator being a message that comprises an identifier of the supplier [**col. 15, lines 7-20; col. 20, lines 35-50** (CAA corresponding to supplier/service provider); **col. 24, lines 21-34; col. 35, lines 44-54; col. 41, lines 23-34; col. 46, lines 33-43 and fig. 6**];and

a non-volatile storage unit coupled to the bus, the non-volatile storage unit to store a mating key lookup table to identify either the server controlled by the supplier of the digital device or the trusted third party based on the information received from the sender, from which the at least one mating key is supplied, the mating key lookup table stored by the non-volatile storage unit comprises (i) a first group of entries forming a range of mating key generators for digital devices

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supplied by each supplier of a plurality of suppliers including the supplier **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67]**; serial number corresponding to a range of mating key generators for digital devices supplied by each supplier of a plurality of suppliers including the supplier] , and (ii) a second group of entries corresponding to the first group of entries, each entry of the second group of entries including at least one mating key uniquely corresponding to and formed by at least a portion of one of the mating key generators **[col. 24, lines 21-34; fig.6]**.

Referring to claim 2, Wasilewski teaches the mating key gateway, wherein the interface to receive the information from the sender being one of a cable provider, a satellite-based provider, a terrestrial-based provider, an Internet service provider and a conditional access (CA) provider operating with one of the cable provider, the satellite-based provider, the terrestrial-based provider and the Internet service provider **[col. 15, lines 7-20 and fig. 6]**.

Referring to claims 5 and 25, Wasilewski teaches the mating key gateway inherently the security content delivery system, wherein the mating key generator received by the interface further comprises an identifier of a provider of a system that enables transmission of both the digital content and the mating key generator to the digital device **[col. 15, lines 7-20; col. 20, lines 35-50 (CAA corresponding to supplier/service provider); col. 24, lines 21-34; col. 35, lines 44-54; col. 41, lines 23-34; col. 46, lines 33-43 and fig. 6]**.

Referring to claims 6, 15 and 26, Wasilewski teaches the mating key gateway, wherein the mating key generator received by the interface further comprises (i) an identifier that identifies a conditional access (CA) system provider over which the digital content and the mating key generator are transmitted **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67]**, and (ii) a mating key sequence number **[col. 24, lines 21-34; fig.6]**.

Referring to claims 7, 16 and 17, Wasilewski teaches the mating key gateway, wherein the mating key lookup table stored by the non-volatile storage unit comprises (i) a first group of entries forming a range of serial numbers for digital devices supplied by each supplier of a plurality of suppliers including the supplier **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67]**; serial number corresponding to a range of mating key generators for digital devices supplied by each supplier of a plurality of suppliers including the supplier], and (ii) a second group of entries corresponding to the first group of entries, each entry of the second group of entries including information to establish communications with a server controlled by one of the plurality of suppliers **[col. 24, lines 21-34; fig.6]**.

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Referring to claims 8, 10 and 19, Wasilewski teaches the mating key gateway, wherein the mating key lookup table stored by the non-volatile storage unit comprises (i) a first group of entries forming a range of serial numbers for digital devices supplied by each supplier of a plurality of suppliers including the supplier **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67]**, and (ii) a second group of entries corresponding to the first group of entries, each entry of the second group of entries including an address to establish communications with a trusted third party authorized by one of the plurality of suppliers **[col. 4, line 64 - col. 5, line 13; col. 7, lines 7-11; col. 19, lines 39-54; col. 24, lines 21-60]**.

Referring to claims 9 and 18, Wasilewski teaches the mating key gateway, wherein the mating key lookup table stored by the non-volatile storage unit comprises (i) a first group of entries forming a range of mating key generators for digital devices supplied by each supplier of a plurality of suppliers including the supplier and the at least one mating key being formed using at least a portion of one of the mating key generators **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67]**, and (ii) a second group of entries corresponding to the first group of entries, each entry of the second group of entries including information to establish communications with a server controlled by one of the plurality of suppliers **[col. 24, lines 21-34; fig.6]**.

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Referring to claim 20, Wasilewski teaches the mating key gateway being adapted to additionally store mating keys for selected digital devices **[col. 7, lines 7-11; col. 15, lines 59-67]**.

Referring to claim 21, Wasilewski teaches a secure content delivery system comprising:

a trusted third party to store a plurality of mating keys associated with digital devices, each mating key being used to encrypt a key that is used to scramble digital content **[col. 7, lines 7-11; col. 15, lines 59-67; col.22, lines 23-35; fig. 6]**; a control suite 607 (equivalent to a trusted third party) stores keys/mating keys which inherently used to encrypt digital content]; a mating key gateway in communications with the trusted third party, the mating key gateway to provide information received from a head end to the trusted third party for retrieval of a requested mating key that is computed using the information received from the head end **[col. 7, lines 27-56; col.15, lines 7-23; col. 16, lines 47-55 and figs. 5-6]**.

Referring to claim 24, Wasilewski teaches a secure content delivery system, wherein the identifier of a supplier included in the mating key generator identifies a manufacturers of the one of the digital devices. **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67]**.

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Referring to claim 27, Wasilewski teaches a method comprising:

receiving a mating key **[col. 7, lines 7-11];**

receiving a serial number being used to locate the one-time programmable value **[col. 7, lines 7-11; col. 7, line 65 – col. 8, line 28];**

computing a mating key by performing a computation on the mating key generator and the one-time programmable value to produce the mating key **[col. 25, lines 4-26];** and

outputting the mating key based on the mating key generator being a message including at least one of (i) a first identifier to identify a manufacturer of the digital device, (ii) a service provider identifier, and (iv) a mating key sequence number and the one-time programmable value being identical to a key stored in a digital device of a set-top box targeted to receive information encrypted with either the mating key or a derivative of the mating key **[col. 7, lines 7-11; col. 20, lines 35-50; col. 22, lines 23-42; col. 24, lines 21-34; col. 41, lines 47-67].**

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YONAS BAYOU whose telephone number is (571)272-7610. The examiner can normally be reached on m-f, 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on 571-272-3811. The fax

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phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Yonas Bayou/

Examiner, Art Unit 2134

04/08/2008

/Kambiz Zand/

Supervisory Patent Examiner, Art Unit 2134